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Dkt. 0980/65847-A

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Shih-Yuan Wang, et al.

Serial No. :

Group Art Unit:

Date Filed : Concurrently Herewith

Examiner:

For : SEMICONDUCTOR OPTICAL AMPLIFIER USING  
LASER CAVITY ENERGY TO AMPLIFY SIGNAL  
AND METHOD OF FABRICATION THEREOF

jc715 U.S. PTO  
10/006435  
12/04/01

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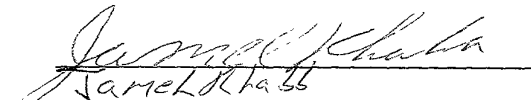
Assistant Commissioner for Patents  
**Box Patent Application**  
Washington, D.C. 20231

**EXPRESS MAIL**  
**LETTER OF TRANSMITTAL**

Express Mail mailing label number: ET735982440US

Date of Deposit: December 4, 2001

I hereby certify that the above-identified application (consisting of a 84-page specification (including 37 pages of claims (160 claims) and a 1 page Abstract), and 28 sheets of formal drawings (Figs. 1-34)), 3 copies of an Application Transmittal Form, unexecuted Declaration and Power of Attorney, and a check for the \$2,176 small entity filing fee, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Arlington, VA 22202

  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSISTANT COMMISSIONER FOR PATENTS  
**Box Patent Application**  
Washington, D. C. 20231

Transmitted herewith for filing under 37 CFR 1.53(b) are the specification and claims of the nonprovisional patent application of:

Shih-Yuan Wang, Miao Zhu, Zuhua Zhu, Haiqing Wei and Saif M. Islam for  
Inventors

SEMICONDUCTOR OPTICAL AMPLIFIER USING LASER CAVITY ENERGY  
TO AMPLIFY SIGNAL AND METHOD OF FABRICATION THEREOF  
Title of Invention

APPLICATION ELEMENTS ENCLOSED.

1. X Specification (total pages 84 including:
  - a. 37 pages of claims (160 claims)
  - b. 1 page(s) Abstract
2. X 28 sheets of      informal X formal drawings (Figs. 1- 34)
3.      Oath or declaration of Applicant(s) ( 3 total pages)
  - a.      Newly executed (original)
  - b. X Unexecuted
  - c.      Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Item 14 completed)
4.      Deletion of Inventor(s)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
5.      Incorporation By Reference  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied in item 3b is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6.      Microfiche Computer Program (Appendix)

APPLICATION PARTS ENCLOSED:

7.      An assignment (cover sheet & document(s))
8.      37 CFR 3.73(b) Statement (*when there is an assignee*)
9. X Power of Attorney
  - a.      Newly executed (original)
  - b. X Unexecuted
  - c.      Copy from a prior application

- The filing fee is calculated as follows:

					Rate			Fee	
	Number Filed		Number Extra*		Small Entity	Other Entity		Small Entity	Other Entity
Total Claims	160 - 20	=	140	x	\$ 9	\$ 18	=	\$ 1,260	\$ 0
Indep. Claims	16 - 3	=	13	x	\$ 42	\$ 84	=	\$ 546	\$ 0
Multiple Dependent Claims Presented: Yes ____ No <u>X</u>					\$140	\$280	=	\$ 0	\$ 0
If the difference in column 1 is less than zero, enter "0" in column 2					Basic Fee			\$ 370	\$ 740
					Total Fee			\$ 2,176	\$


18. ☒ A check in the amount of \$ 2,176.00 to cover the filing fee.
19. ☐ A check in the amount of \$ \_\_\_\_\_ for recordation of the Assignment.
20. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required in connection with the following or credit any overpayment to Deposit Account No. 03-3125.
- ☒ Filing fees under 37 C.F.R. § 1.16.
- ☒ Patent application processing fees under 37 C.F.R. §1.17.
- ☐ The issue fee set in 37 C.F.R. §1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. §1.311(b).
21. ☒ Three copies of this sheet are enclosed.
22. ☐ Other (identify) \_\_\_\_\_

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Respectfully submitted,

December 4, 2001  
Date

  
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